

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022922.D
 Acq On : 02 Jul 2025 19:04
 Operator : SY/MD
 Sample : Q2487-02
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(10)

Quant Time: Jul 03 02:27:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

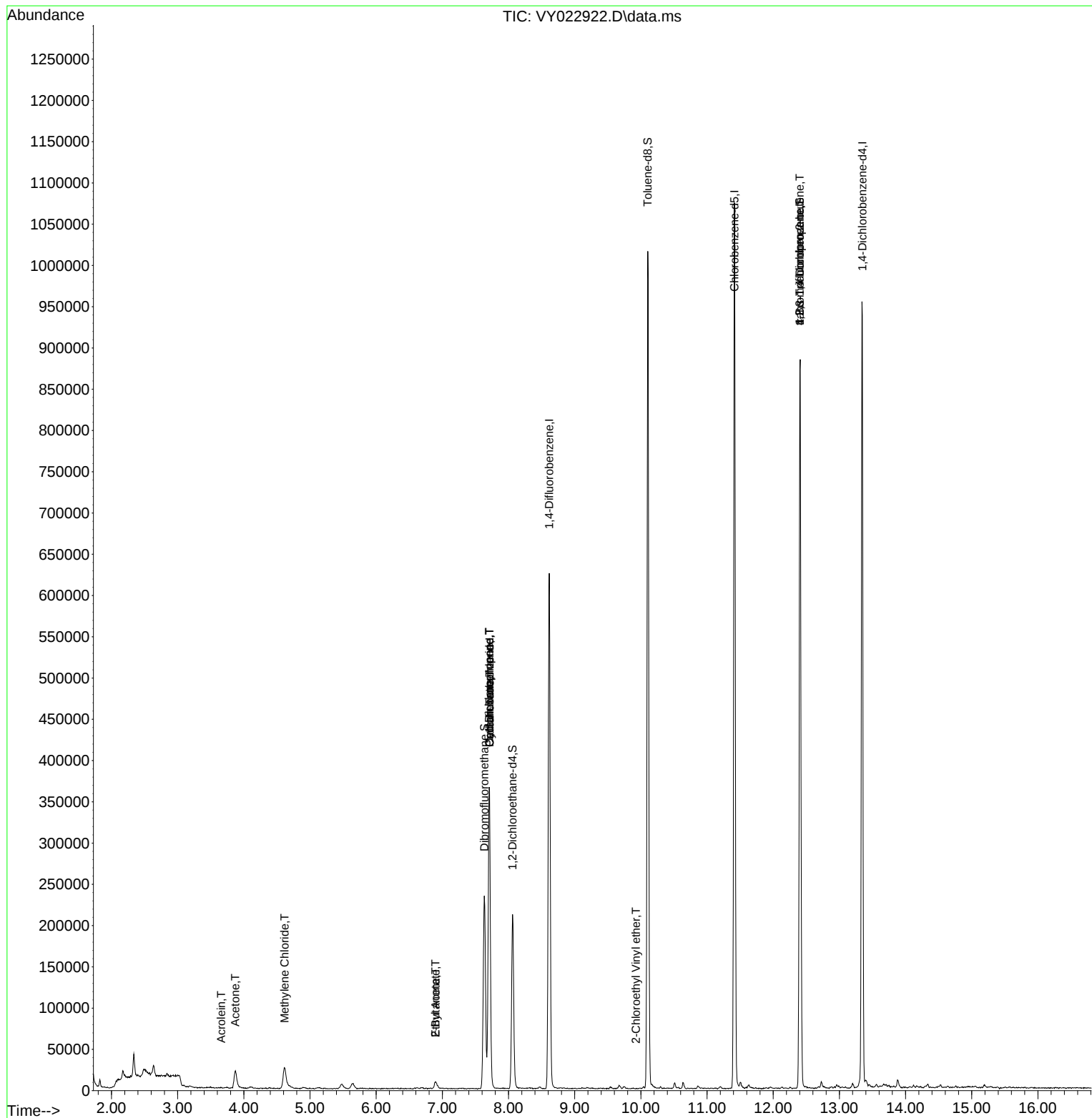
Internal Standards						
1) Pentafluorobenzene	7.713	168	274972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	525710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	536648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	234763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165796	54.023	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.040%	
35) Dibromofluoromethane	7.634	113	167254	52.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.620%	
50) Toluene-d8	10.103	98	647006	50.999	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.000%	
62) 4-Bromofluorobenzene	12.401	95	237694	58.282	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 116.560%	
Target Compounds						
					Qvalue	
13) Acrolein	3.659	56	409	1.478	ug/l #	82
16) Acetone	3.873	43	39761	68.547	ug/l	96
20) Methylene Chloride	4.616	84	18746	5.117	ug/l	93
25) 2-Butanone	6.896	43	15040	17.815	ug/l #	86
31) Cyclohexane	7.713	56	7173	1.361	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	23746	4.900	ug/l #	50
37) Ethyl Acetate	6.896	43	15040	7.192	ug/l #	69
38) Carbon Tetrachloride	7.713	117	27208	5.321	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.926	63	54	15.683	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	134857	56.267	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	134857	142.153	ug/l #	11

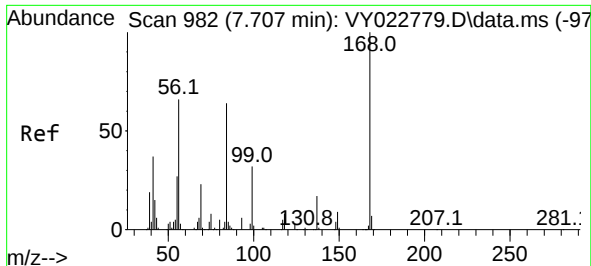
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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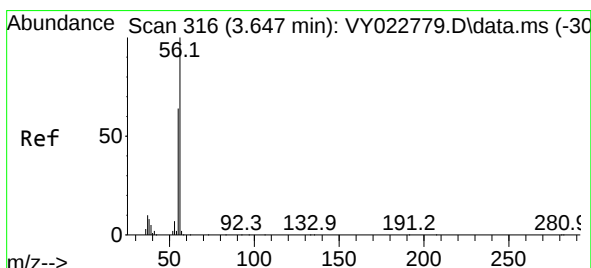
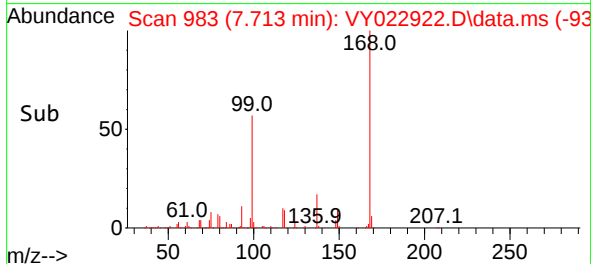
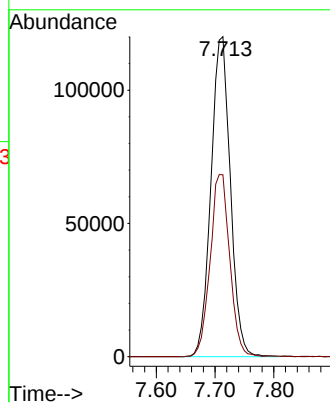
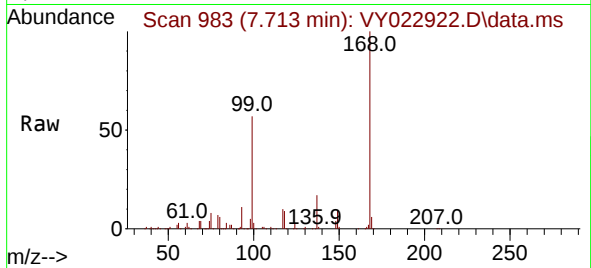




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

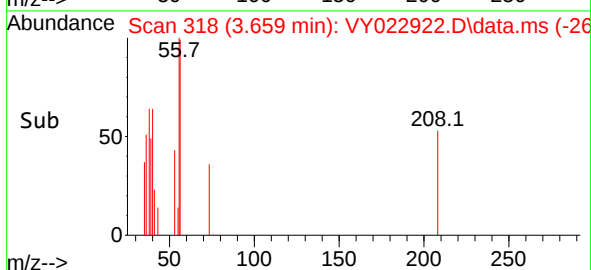
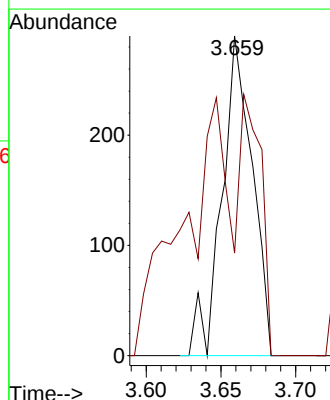
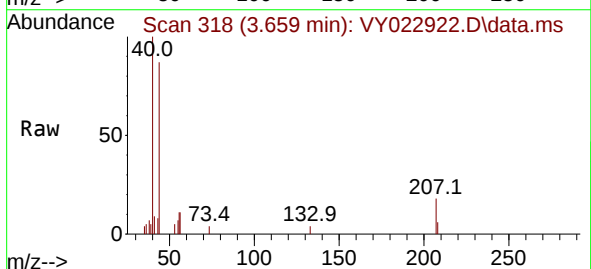
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

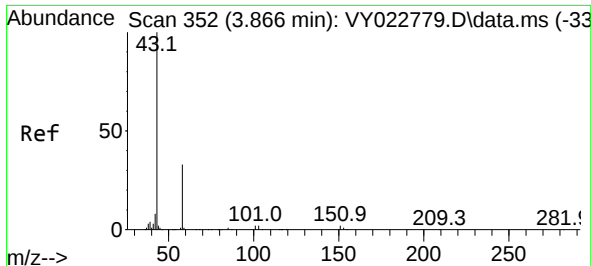
Tgt Ion:168 Resp: 274972
Ion Ratio Lower Upper
168 100
99 56.8 44.3 66.5



#13
Acrolein
Concen: 1.478 ug/l
RT: 3.659 min Scan# 318
Delta R.T. -0.000 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Tgt Ion: 56 Resp: 409
Ion Ratio Lower Upper
56 100
55 56.2 57.0 85.6#

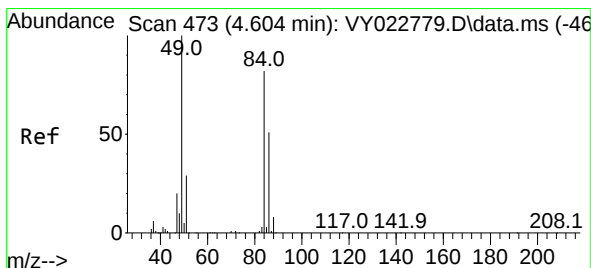
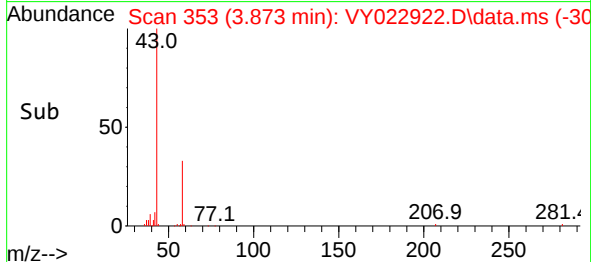
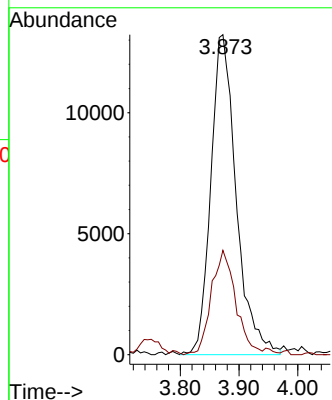
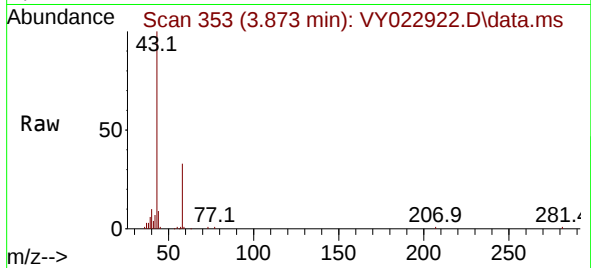




#16
Acetone
Concen: 68.547 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

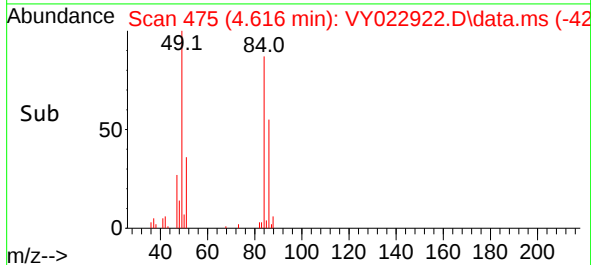
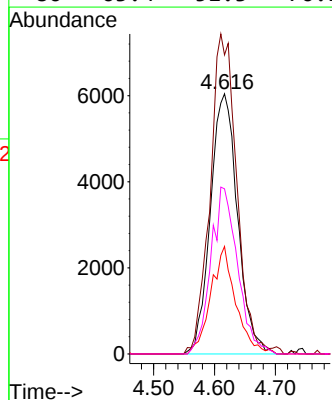
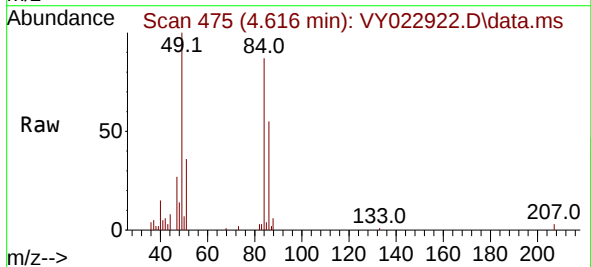
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

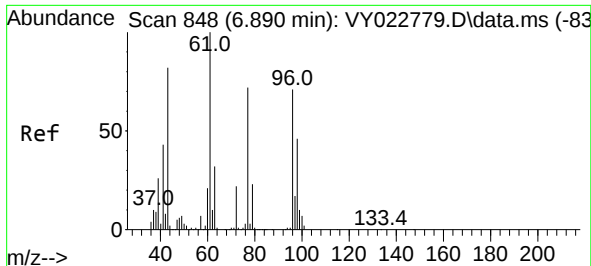
Tgt Ion: 43 Resp: 39761
Ion Ratio Lower Upper
43 100
58 32.2 24.0 36.0



#20
Methylene Chloride
Concen: 5.117 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Tgt Ion: 84 Resp: 18746
Ion Ratio Lower Upper
84 100
49 114.9 101.9 152.9
51 41.3 29.8 44.8
86 63.4 51.3 76.9

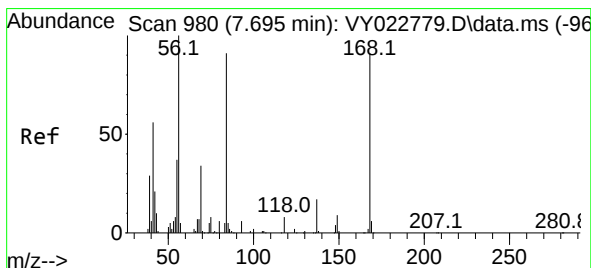
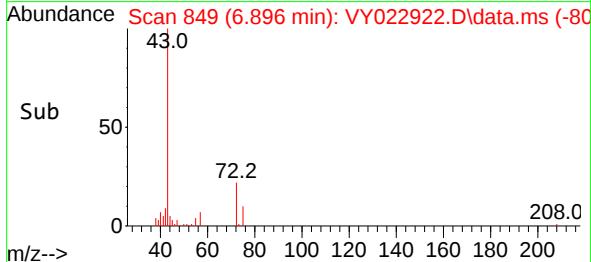
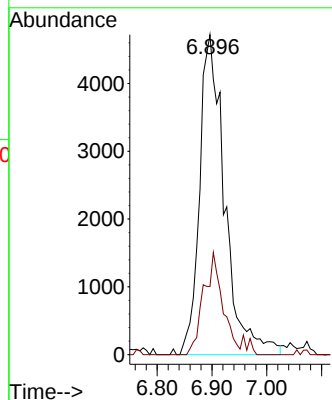
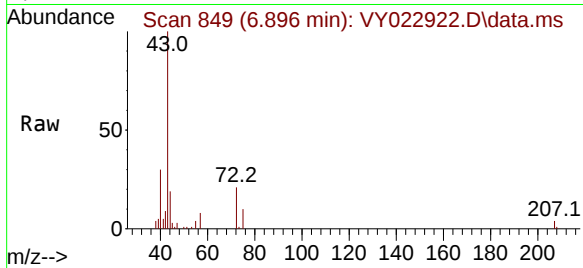




#25
2-Butanone
Concen: 17.815 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

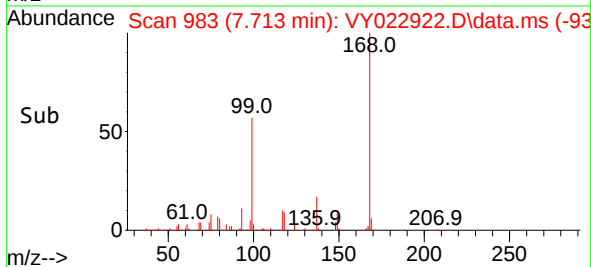
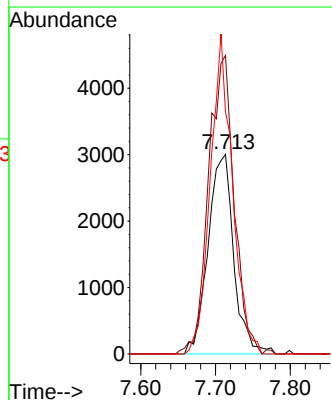
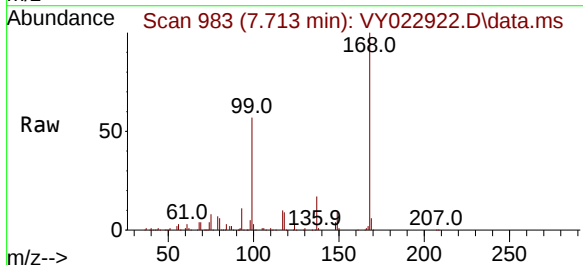
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

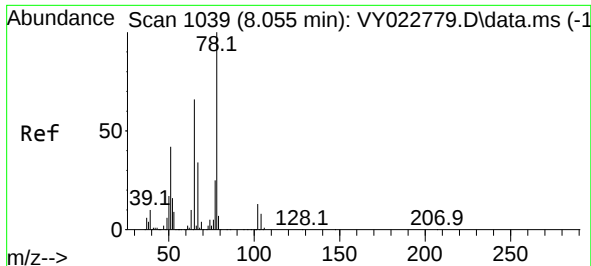
Tgt Ion: 43 Resp: 15040
Ion Ratio Lower Upper
43 100
72 21.3 22.9 34.3#



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Tgt Ion: 56 Resp: 7173
Ion Ratio Lower Upper
56 100
69 149.6 27.0 40.6#
84 121.3 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 54.023 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022922.D

Acq: 02 Jul 2025 19:04

Instrument :

MSVOA_Y

ClientSampleId :

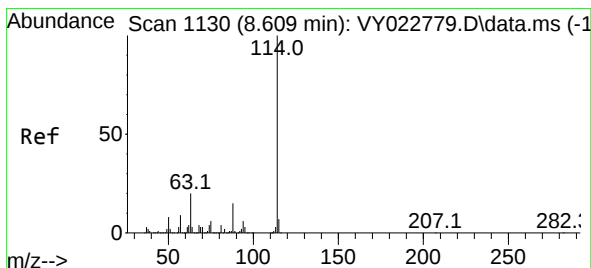
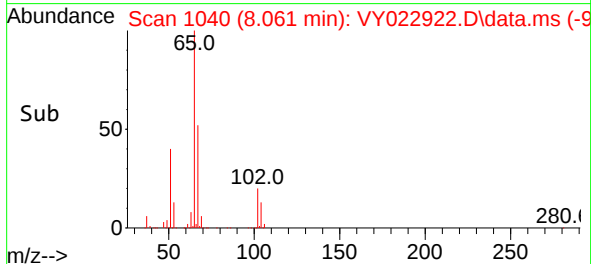
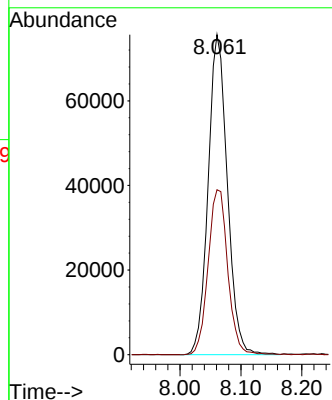
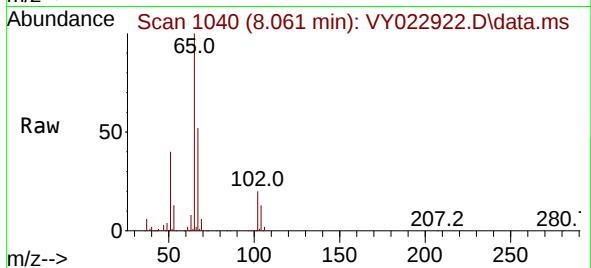
G4(10)

Tgt Ion: 65 Resp: 165796

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022922.D

Acq: 02 Jul 2025 19:04

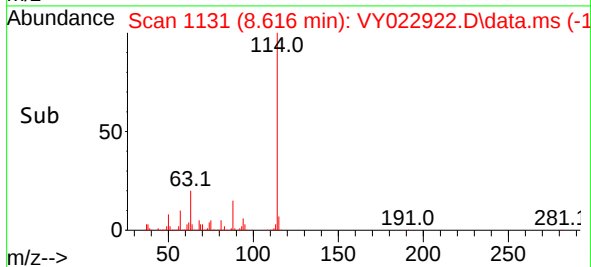
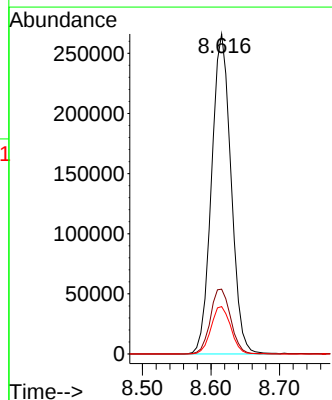
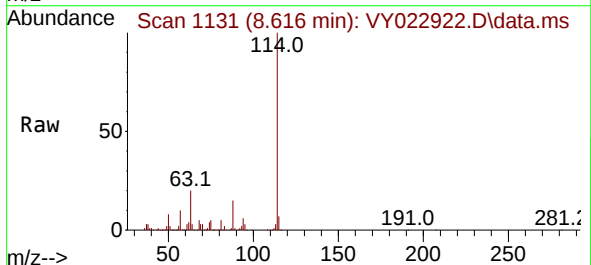
Tgt Ion: 114 Resp: 525710

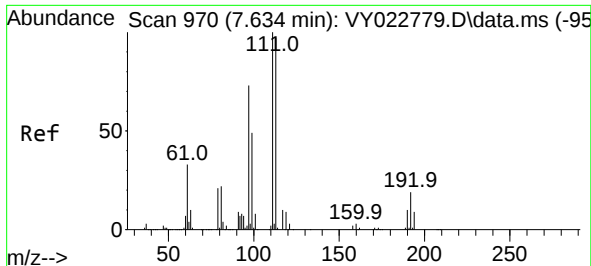
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.8 0.0 27.8

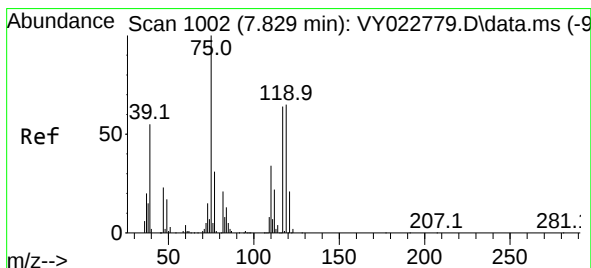
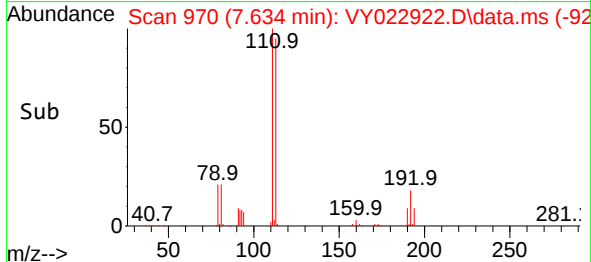
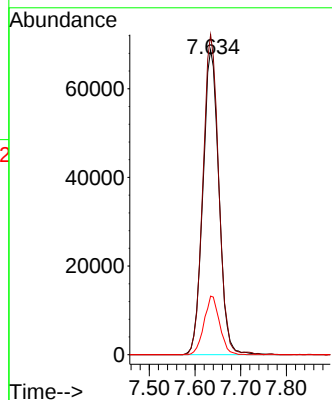
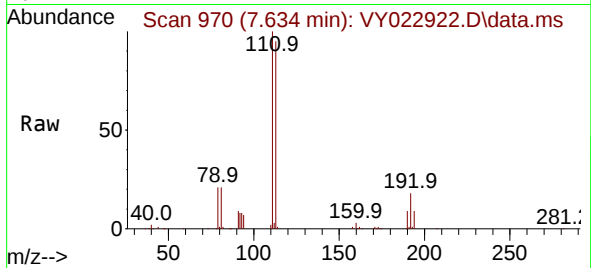




#35
Dibromofluoromethane
Concen: 52.314 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

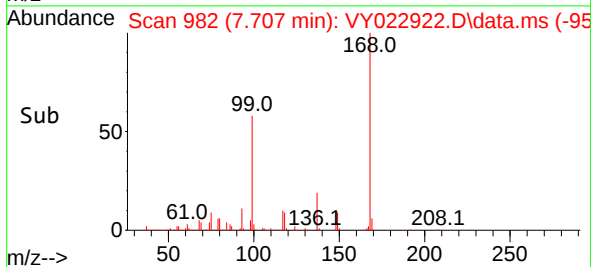
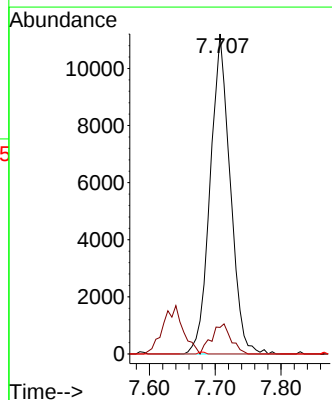
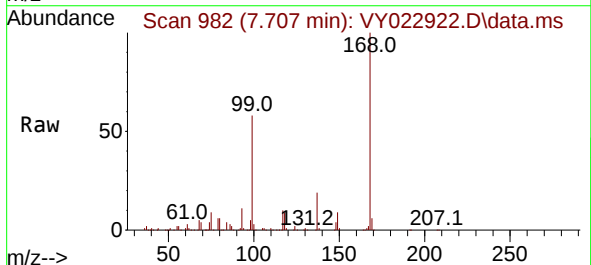
Instrument :
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G4(10)

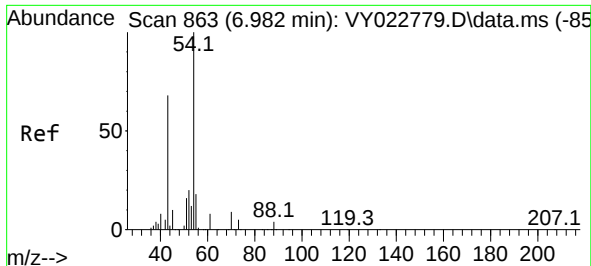
Tgt Ion:113 Resp: 167254
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 18.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.900 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Tgt Ion: 75 Resp: 23746
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 7.192 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY022922.D

Acq: 02 Jul 2025 19:04

Instrument :

MSVOA_Y

ClientSampleId :

G4(10)

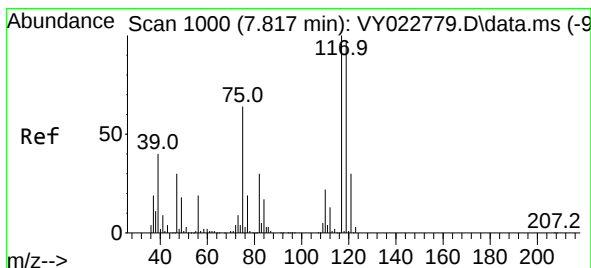
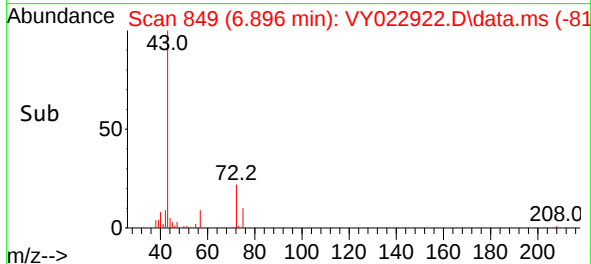
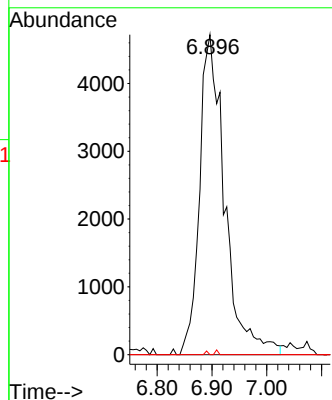
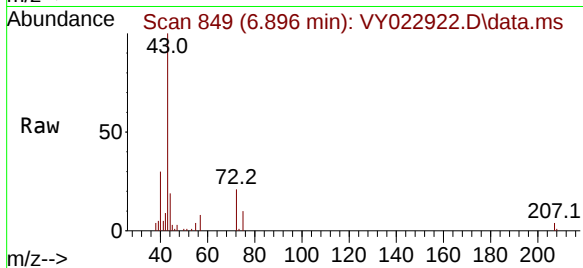
Tgt Ion: 43 Resp: 15040

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.1 7.2 10.8#



#38

Carbon Tetrachloride

Concen: 5.321 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022922.D

Acq: 02 Jul 2025 19:04

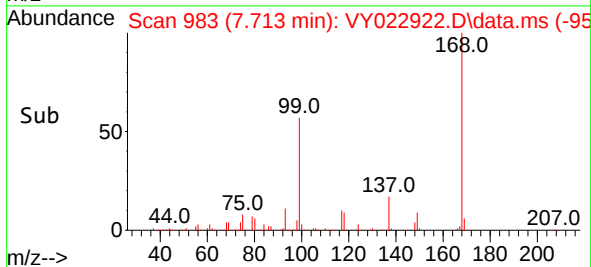
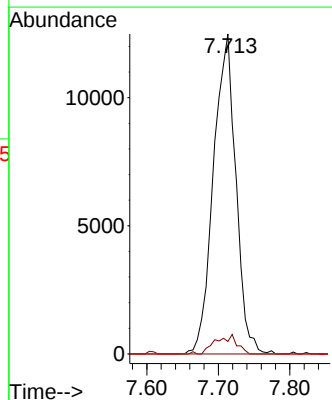
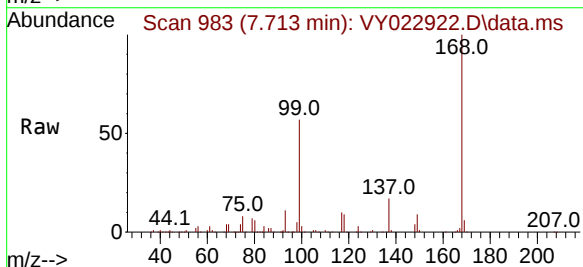
Tgt Ion: 117 Resp: 27208

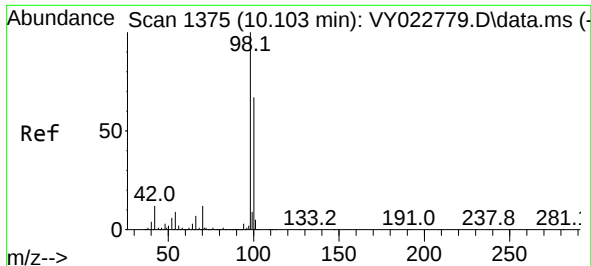
Ion Ratio Lower Upper

117 100

119 3.9 75.0 112.6#

121 0.0 25.0 37.4#

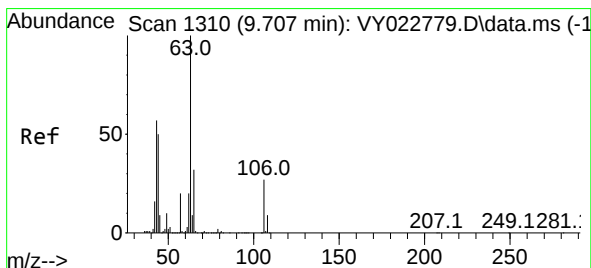
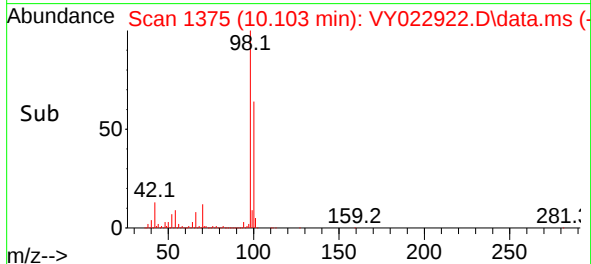
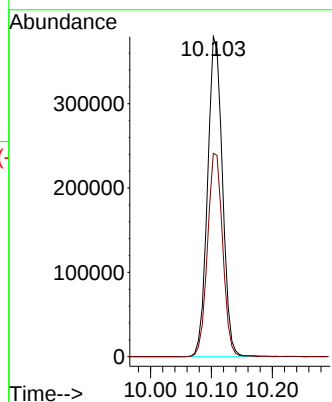
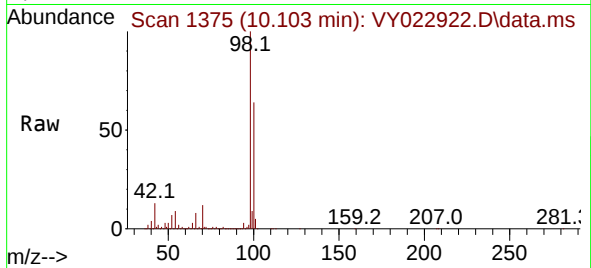




#50
Toluene-d8
Concen: 50.999 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

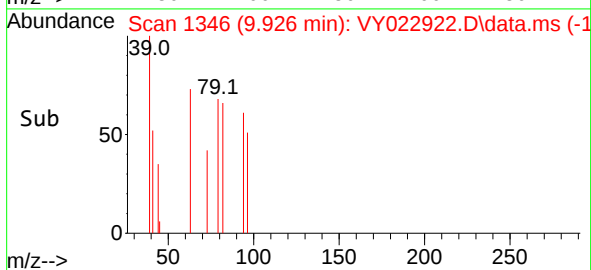
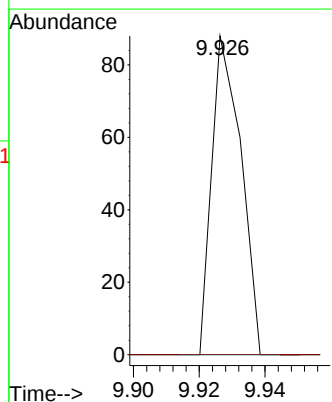
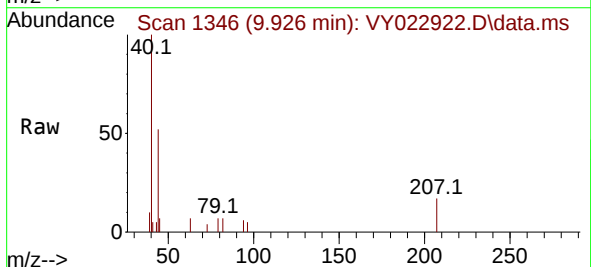
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

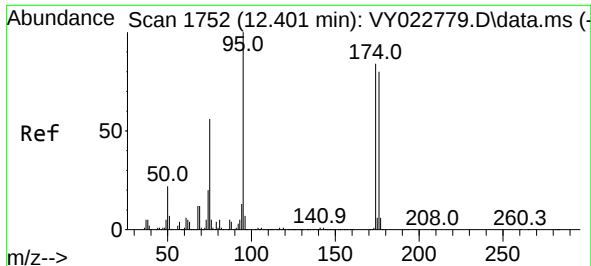
Tgt Ion: 98 Resp: 647006
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.683 ug/l
RT: 9.926 min Scan# 1346
Delta R.T. 0.213 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

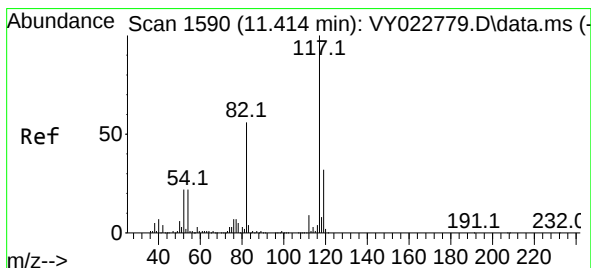
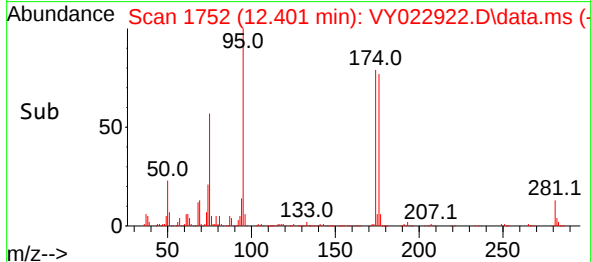
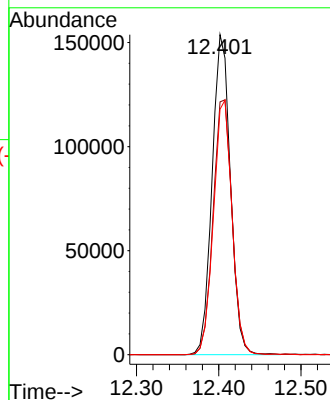
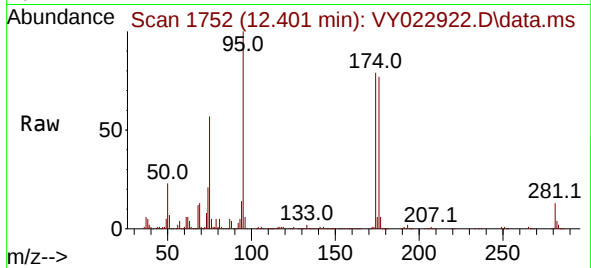




#62
4-Bromofluorobenzene
Concen: 58.282 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

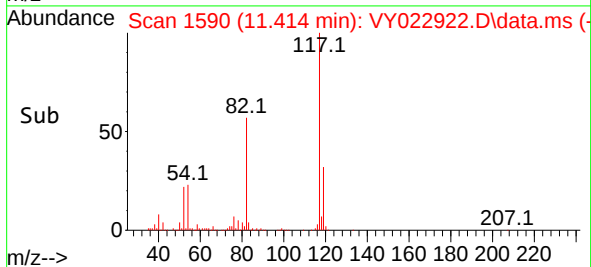
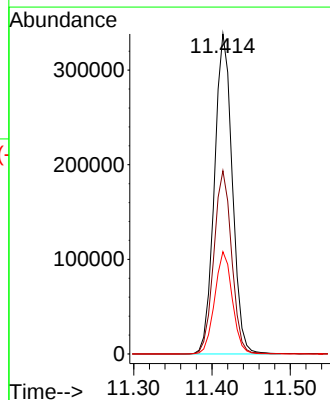
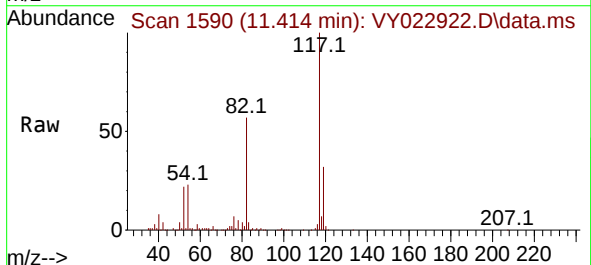
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

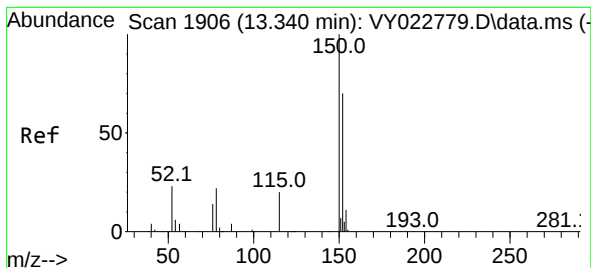
Tgt Ion: 95 Resp: 237694
Ion Ratio Lower Upper
95 100
174 82.6 0.0 170.0
176 80.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Tgt Ion: 117 Resp: 536648
Ion Ratio Lower Upper
117 100
82 57.2 44.6 66.8
119 31.9 25.4 38.0



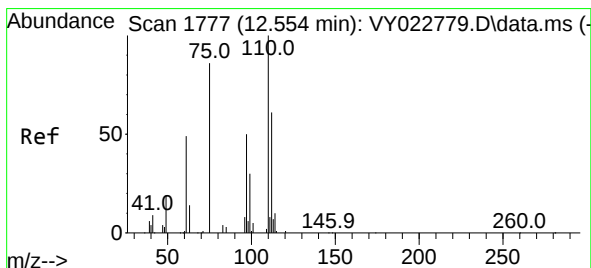
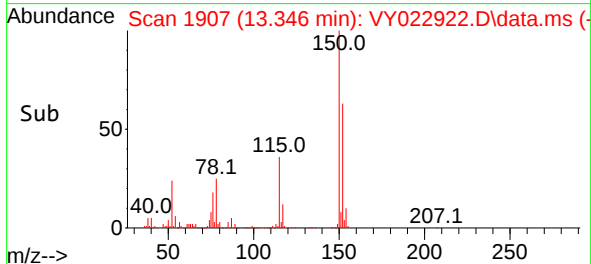
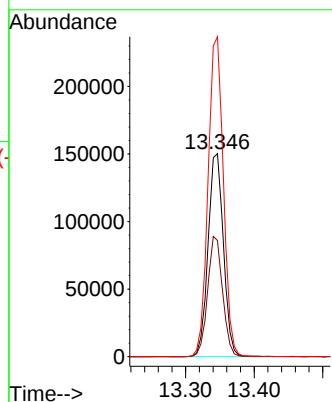
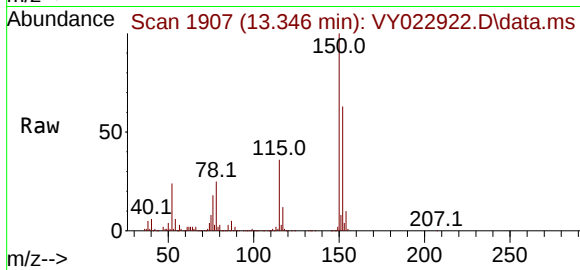


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY022922.D
 Acq: 02 Jul 2025 19:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(10)

Tgt Ion:152 Resp: 234763

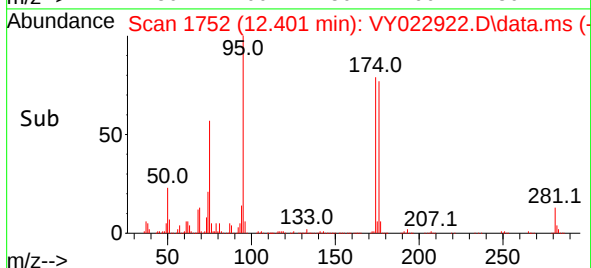
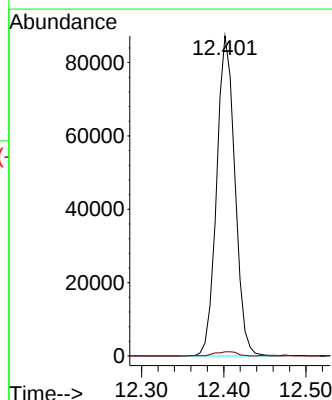
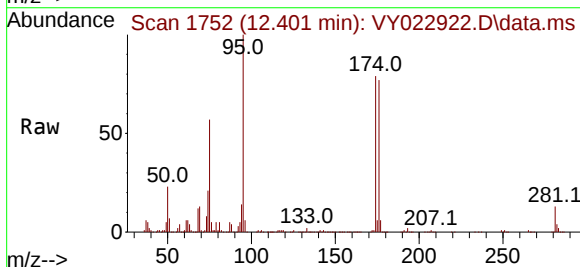
Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	157.2	0.0	349.6

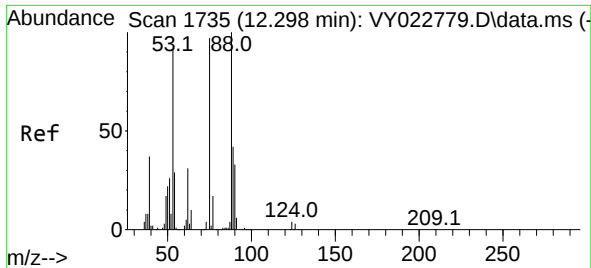


#76
 1,2,3-Trichloropropane
 Concen: 56.267 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022922.D
 Acq: 02 Jul 2025 19:04

Tgt Ion: 75 Resp: 134857

Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 142.153 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

Tgt Ion: 75 Resp: 134857
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.6 35.7 53.5#

